

920602-906656

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE THE APPLICATION OF	)	
	)	
Armin Heinz Hayn	)	Examiner: Lam S. Nguyen
	)	
PATENT NO.: 6,781,124	)	Group Art Unit: 2853
	)	
ISSUED: August 24, 2004	)	Customer Number: 23644
	)	
FOR: Improvements In Or Relating To	)	
Particle Detectors	)	

**CORRECTED REQUEST FOR FURTHER CERTIFICATE OF CORRECTION**

Honorable Director of Patents and Trademarks  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The Request submitted November 6, 2007 has four typographical errors, and has been corrected in the attachment.

The Certificate of Correction for this patent has been received, but there are further errors. A further Certificate of Correction is therefore requested.

First of all, claim 1, in line 8 of the claims set forth in the Certificate of Correction issued September 18, 2007 has a misspelling made by the Patent and Trademark Office, but also the word means should not appear, and that is an error in the claim as presented. On line 8, the term "baffler means" should read, simply, "barrier". That is clear from the clause earlier in the claim, where it claims "an electrically conductive barrier".

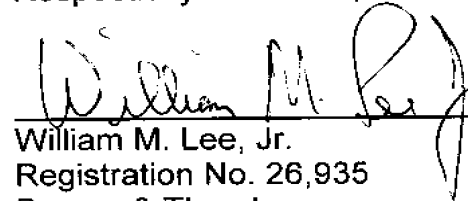
Similarly, the clause "barrier means" appears at line 4 of claim 13 and lines 4 and 6 of claim 16, and should simply be "barrier".

An appropriate Certificate of Correction is submitted herewith having claims 1, 13 and 16 properly changed. As the use of "barrier means" instead of "barrier" is an obvious error, this is correctable pursuant to 37 C.F.R. §1.323.

A Certificate of Correction is therefore requested, and the fee of \$100.00 pursuant to 37 C.F.R. §1.20(a) should be deducted from Deposit Account No. 12-0913.

February 19, 2008

Respectfully submitted,

A handwritten signature in black ink, appearing to read "William M. Lee, Jr.", is written over a horizontal line.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 6,781,124 B2  
APPLICATION NO.: 09/927608  
ISSUE DATE : August 25, 2004  
INVENTOR(S) : Armin Heinz Hayn

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claims 1, 13 and 16 are replaced as shown below:

Col. 5, lines 20-34

1. Apparatus for detecting charged particles, the apparatus comprising a chamber for receiving said particles and being such that, in use, at least a partial vacuum is maintained in the chamber; an impact responsive sensor for detecting particles incident thereon, at least the part of the sensor on which the particles are incident being situated in the chamber; an accelerating electrode for providing, in the chamber, an electric field for accelerating charged particles therein towards the sensor and an electrically conductive barrier sealing an inlet to the chamber to allow said partial vacuum to be maintained, the barrier being sufficiently thin to enable the charged particles to be detected to travel therethrough, and being electrically isolated from the accelerating electrode so as to be capable of being maintained at a different potential from the latter.

Col. 6, lines 20-21

13. Apparatus according to claim 12, in which the apparatus further includes an electrically conductive cage mounted in front of, but electrically insulated from, the barrier, the cage being connectable to an accelerating voltage for drawing particles towards the barrier, the cage being so constructed as to allow the passage of particles therethrough, and in which the voltage source is also operable to apply to the cage a further voltage, of the same polarity as, but lower than, the second voltage.

Col. 6, lines 32-39

16. A microscope according to claim 15, in which the accelerating electrode comprises an electrically conductive member situated on or adjacent to the sensor, and a connector for connecting said member to an accelerating voltage, wherein the electrically conductive member and barrier are connected to a voltage source for applying a voltage of +10 kV to the member and of 0 to +1kV to the barrier.

### MAILING ADDRESS OF SENDER (Please do not use customer number below):

Barnes & Thornburg, LLP  
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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*